

IN THE CLAIMS

Applicant has submitted a new complete claim set showing marked up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Please cancel claims 13-16 without prejudice or disclaimer.

Please amend pending claims 1-4, 8, and 9 as shown below.

1. (Currently Amended) A circuit, comprising:
 - an input to receive a supply voltage, the supply voltage having a normal polarity and an inverted polarity;
 - an output to drive a load, the load being connected between the output and a ground;
 - a logic component, connected between the input and the output, to electrically couple the load to the supply voltage when the supply voltage has the normal polarity; and
 - a ~~protection~~ first component, connected between the input and the ground, to prevent a first current from flowing in the circuit when the supply voltage has the inverted polarity, and to allow a second non-destructive current to flow in the circuit if the supply voltage is disconnected from the input.
2. (Currently amended) The circuit of claim 1, wherein the ~~protection~~ first component prevents the first current from flowing between the supply voltage and the ground when the supply voltage has the inverted polarity.
3. (Currently Amended) The circuit of claim 1, wherein:
 - the load is an inductive load; and
 - the second non-destructive current flows between the load and the ground through the ~~protection~~ first component when the supply voltage is disconnected.

4. (Currently Amended) The circuit of claim 1, wherein the ~~protective~~ first component is comprises a thyristor.

5. (Original) The circuit of claim 4, wherein the thyristor is reverse biased when the supply voltage has the normal polarity.

6. (Original) The circuit of claim 4, wherein the thyristor is forward biased but not conducting when the supply voltage has the inverted polarity.

7. (Original) The circuit of claim 4, wherein:
the thyristor has a forward breakdown voltage; and
the forward breakdown voltage is greater than the supply voltage having the inverted polarity.

8. (Currently Amended) The circuit of claim 4, wherein the ~~protective~~ first component further includes a resistor connected between the ground and the thyristor.

9. (Currently amended) The circuit of claim 8, wherein a break-over current flowing through the resistor causes the second non-destructive current to flow through the thyristor.

10. (Original) The circuit of claim 9, wherein the break-over current is adjustable.

11. (Original) The circuit of claim 10, wherein:
the thyristor has a breakdown voltage; and
the breakdown voltage is greater than the supply voltage having the inverted polarity.

12. (Original) The circuit of claim 11, wherein the break-over current is adjusted based on the breakdown voltage.

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13-16. (Cancelled).